Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/10/2018 09:42 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124219	-1	1.72	124230	1.73
Blue	F	SSC	125000	123424	-2	2.11	124017	2.12
Blue	E	FITC	15760	15241	-4	3.06	330	22.71
Blue	D	PE	25880	25185	-3	2.10	548	16.73
Blue	B	PerCP-Cy5-5	34075	33915	-1	4.21	1035	22.73
Blue	A	PE-Cy7	22776	22554	-1	7.33	539	44.40
Red	C	APC	42488	41419	-3	2.72	1569	13.40
Red	A	APC-Cy7	24478	23823	-3	2.75	817	12.97
Violet	B	V450	6304	6096	-4	4.08	344	17.12
Violet	A	V500	26005	24354	-7	3.72	570	13.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20720	7.53	606	9	N/A	N/A	Pass
Blue	F	SSC	55978	1.56	571	16	N/A	N/A	Pass
Blue	E	FITC	59	74.13	559	3	0.0153	191	Pass
Blue	D	PE	113	58.57	553	4	0.1332	322	Pass
Blue	B	PerCP-Cy5-5	198	55.73	653	6	0.0074	91	Pass
Blue	A	PE-Cy7	106	111.19	704	7	0.0097	33	Pass
Red	C	APC	371	27.56	599	-1	0.0193	76	Pass
Red	A	APC-Cy7	200	29.12	570	-1	0.0048	1199	Pass
Violet	B	V450	56	79.24	491	2	0.0318	2797	Pass
Violet	A	V500	86	44.98	506	0	0.0132	1031	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/10/2018 09:42 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.78	-31.20	0.97
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	18.02	13.60 - 20.40	N/A	N/A	30.85	31.55	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10621

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments